

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 276 | ("20010001455" "20010001460" "20010037979" "20020123153" "20020158027" "20020172618" "20020172619" "3150442" "3538744" "3669881" "3738759" "3915652" "3921916" "4007464" "4056324" "4092166" "4209696" "4356722" "4366118" "4369664" "4403234" "4437103" "4459267" "4480259" "4489259" "4490728" "4590482" "4593728" "4683042" "4708782" "4728392" "4733823" "4842701" "4879097" "4891120" "4908112" "4983038" "4999493" "5015845" "5110745" "5126022" "5132012" "5162650" "5180480" "5182366" "5245185" "5269900" "5283036" "5294426" "5296114" "5296375" "5302533" "5304487" "5306621" "5316680" "5328578" "5331159" "5332481" "5334310" "5338427" "5349186" "5374834" "5376252" "5387329" "5401376" "5401963" "5415841" "5421980" "5423964" "5427946" "5429734" "5431807" "5445324" "5453185" "5481110" "5486335" "5493115" "5495108" "5498392" "5501883" "5501893" "5505832" "5512131" "5512451" "5523566" "5536939" "5541408" "5563639" "5572023" "5608217" "5640010" "5641400" "5644131" "5647979" "5652427" "5705813" "5716825" "5747815" "5750988" "5779868" "5789746" "5800692" "5804022" "5856082" "5872010" "5876957" "5877495" "5917184" "5917185" "5969351" "5969353" "5972187" "5993633" "5994696" "6005245" "6007775" "6032876" "6060705" "6066848" "6068749" "6110343" "6114693" "6171875" "6245227" "6394942" "6417510" "6432311" "6454938" "6461516" "6462337" "6464866" "6596988" "6627882" "6633031").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:00 |
| L2 | 80 | (electrospray and substrate) and (injection adj surface) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2007/05/01 11:02 |
| L3 | 80 | ((electrospray and substrate) and (injection adj surface)) and channel | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2007/05/01 11:01 |

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|-----|------|------------------------------|---|----|-----|------------------|
| L4 | 8 | 3 and (ring adj electrode) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:01 |
| L5 | 1 | 4 and 1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:02 |
| L6 | 9043 | (electrospray and substrate) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2007/05/01 11:02 |
| L7 | 8 | 4 and 6 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:03 |
| L8 | 8 | 7 and (electric adj field) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:03 |
| L9 | 8 | 8 and coplanar | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:04 |
| L10 | 8 | 9 and 2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:04 |
| L11 | 8 | 10 and fluid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:04 |
| L12 | 52 | Schultz-Gary-A.IN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:05 |

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|-----|------|--|---|----|-----|------------------|
| L13 | 58 | Corso-Thomas-N.IN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:06 |
| L14 | 48 | 12 and 13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:06 |
| L15 | 8 | 4 and 14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 11:06 |
| S1 | 2090 | electrospray and substrate | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/10/14 18:19 |
| S2 | 33 | (electrospray and substrate) and (injection adj surface) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2007/05/01 11:01 |
| S3 | 34 | (electrospray and substrate) and (ejection adj surface) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/10/14 18:21 |
| S4 | 33 | ((electrospray and substrate) and (injection adj surface)) and channel | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2007/05/01 11:01 |
| S5 | 34 | ((electrospray and substrate) and (ejection adj surface)) and channel | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/02/19 16:44 |
| S6 | 33 | ((electrospray and substrate) and (injection adj surface)) and channel and nozzle | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/02/19 16:44 |
| S7 | 33 | ((electrospray and substrate) and (injection adj surface)) and channel and nozzle) and (electric adj field) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/02/19 17:12 |
| S8 | 8 | ((electrospray and substrate) and (injection adj surface)) and channel and nozzle) and (electric adj field)) and (spaced adj apart) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/10/14 18:23 |
| S9 | 1644 | (electrospray and substrate) and (tube or capillary) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/05/28 11:08 |
| S10 | 12 | ((electrospray and substrate) and (tube or capillary)) and (ring adj electrode) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/05/28 11:10 |

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|-----|------|---|---|----|-----|------------------|
| S11 | 14 | "6245227" | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/10/14 17:27 |
| S12 | 1 | "6633031" | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/10/14 17:03 |
| S13 | 1 | "6627882" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/10/14 18:19 |
| S14 | 1 | "6596988" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/10/14 18:09 |
| S15 | 3180 | electrospray and substrate | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/10/14 18:20 |
| S16 | 46 | (electrospray and substrate) and (injection adj surface) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/10/14 18:21 |
| S17 | 48 | (electrospray and substrate) and (ejection adj surface) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/10/14 18:21 |
| S18 | 48 | ((electrospray and substrate) and (ejection adj surface)) and channel | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/10/14 18:22 |
| S19 | 48 | ((((electrospray and substrate) and (ejection adj surface)) and channel) and nozzle | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/10/14 18:22 |
| S20 | 48 | (((((electrospray and substrate) and (ejection adj surface)) and channel) and nozzle) and (electric adj field) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/10/14 18:23 |
| S21 | 11 | ((((((electrospray and substrate) and (ejection adj surface)) and channel) and nozzle) and (electric adj field)) and (electric adj field) and (spaced adj apart) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2003/10/14 18:26 |